BOEING 747

Cabin Interphone System – Passenger Airplane

D6-13921 □ MAY 1968 □ COMMERCIAL AIRPLANE DIVISION □ EVERETT BRANCH □ RENTON, WASHINGTON □ THE BOEING COMPANY

PREFACE

THE MATERIAL IN THIS BROCHURE IS PRESENTED TO INTRODUCE A TYPICAL CABIN INTERPHONE SYSTEM OF THE BOEING MODEL 747 PASSENGER AIRPLANE.

IN CASE OF CONFLICT BETWEEN THE MATERIAL HEREIN AND THE DETAIL SPECIFICATIONS, THE DETAIL SPECIFICATIONS SHALL PREVAIL.

THIS BROCHURE SUPERSEDES THE PRIOR BROCHURE, BOEING 747 PASSENGER AIRPLANE CABIN TELEPHONE SYSTEM (D6-13050-460).

BOEING 747
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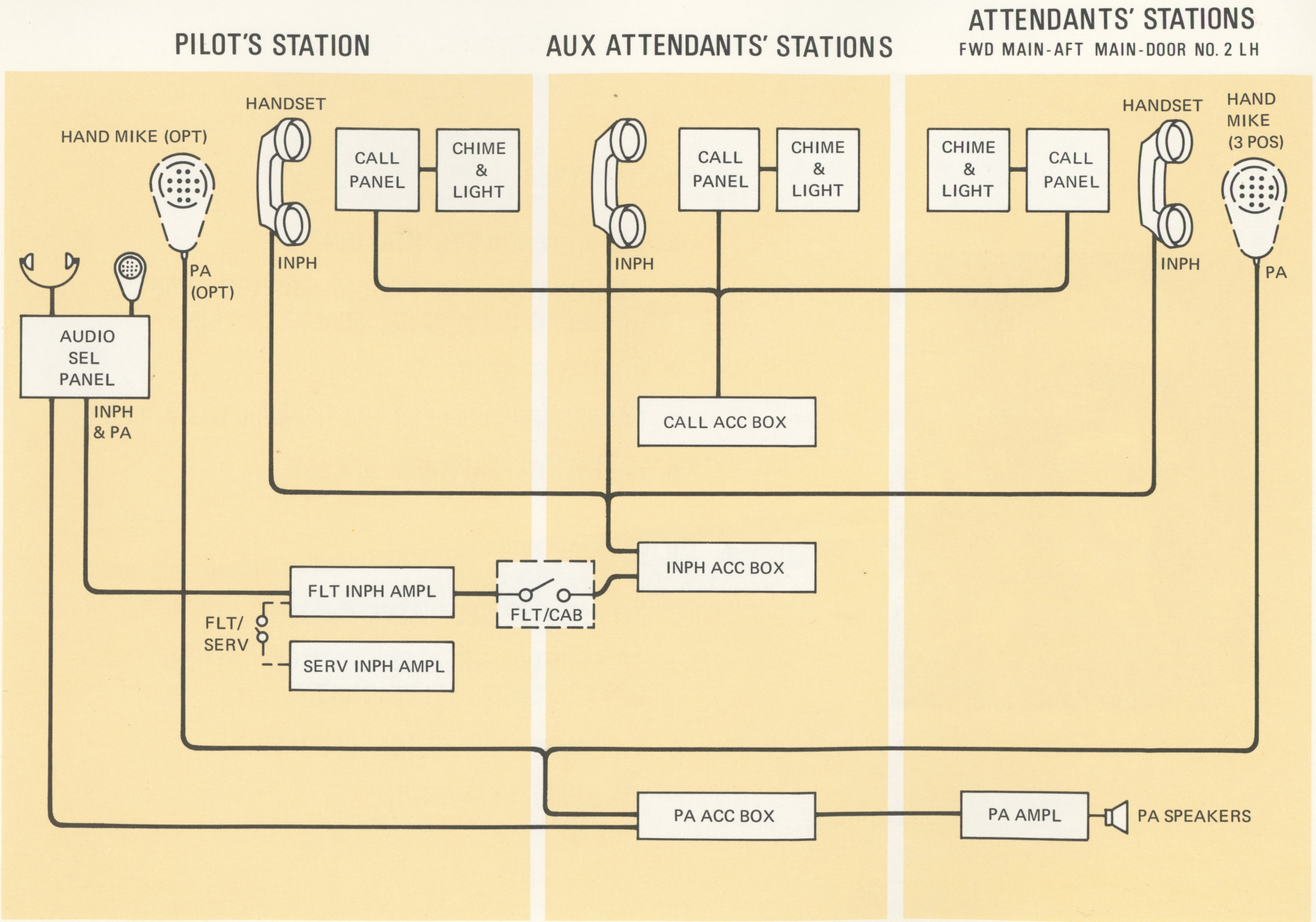
CABIN INTERPHONE SYSTEM

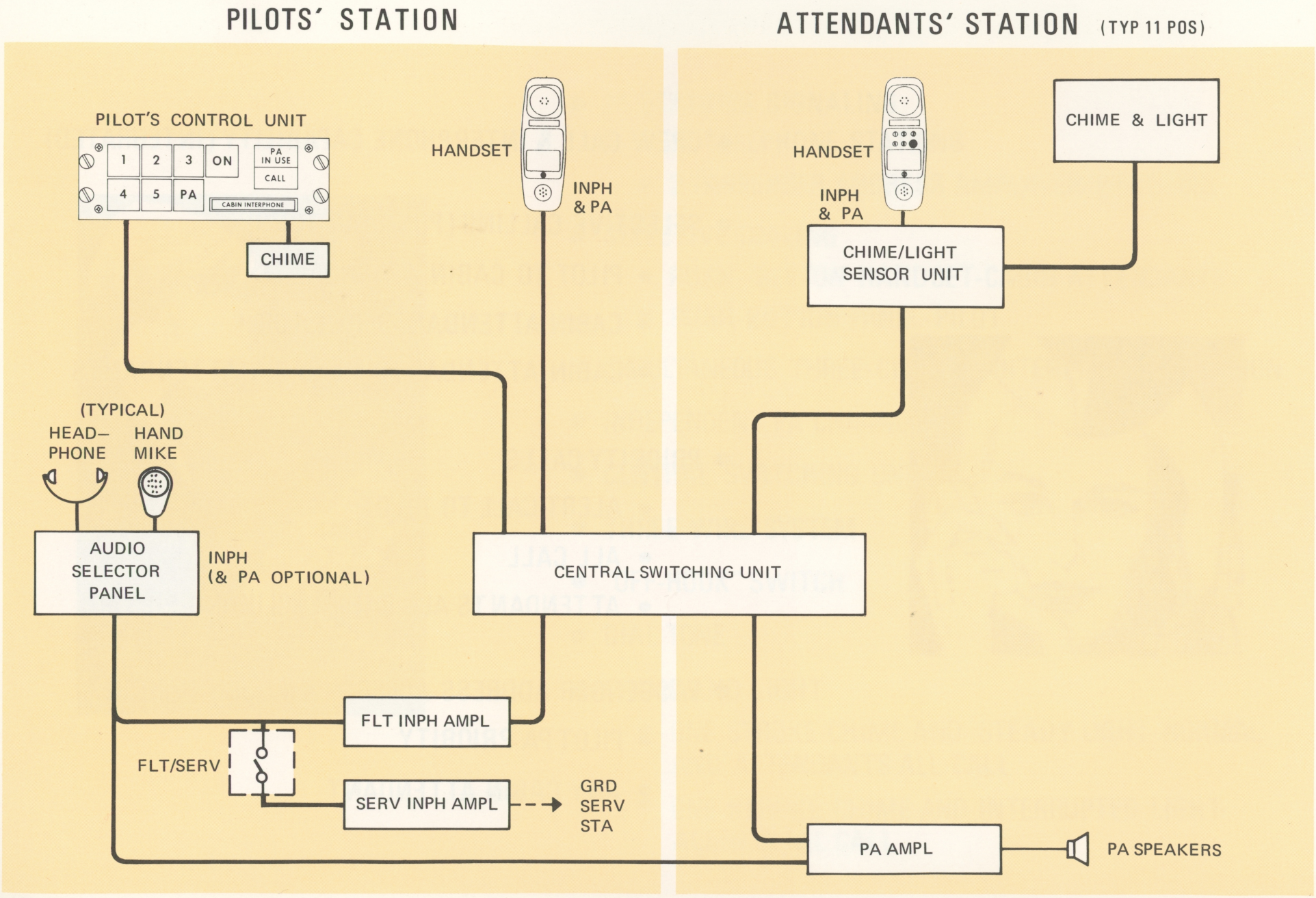
- ENCOMPASSES
  - ALL ATTENDANTS' STATIONS
  - STAIRWAY AT STATEROOM STATION (PART OF UPPER DECK PASS. COMPT. OPTION)
  - PILOT'S STATION
  - PASSENGER ADDRESS (PA) AMPLIFIER ACCESS
  - FLIGHT INTERPHONE ACCESS
- OBJECTIVES
  - TO PROVIDE SELECTIVE CALLING
  - TO PROVIDE GREATER COMMUNICATION CAPACITY AND FLEXIBILITY
  - TO SIMPLIFY CALLING OPERATION
  - TO SIMPLIFY WIRING

CONVENTIONAL INTERPHONE/CREW CALL/PA *



*SHOWN FOR REFERENCE

747 CABIN INTERPHONE SYSTEM



SYSTEM FUNCTIONS

- CREW CALL & INTERPHONE CAPABILITY (INTEGRATED)
- SELECTIVE CALLING (PUSH BUTTONS)
  - PILOT TO CABIN ATTENDANTS
  - CABIN ATTENDANTS TO PILOT
  - CABIN ATTENDANTS TO CABIN ATTENDANTS
- PRIORITY CALLS
  - ALERT CALL TO PILOT
  - ALL CALL
  - ATTENDANTS ALL CALL (EXCLUDING PILOT)
- PASSENGER ADDRESS ACCESS (THROUGH HANDSET)
  - PILOT PA PRIORITY
  - ANY CABIN ATTENDANT

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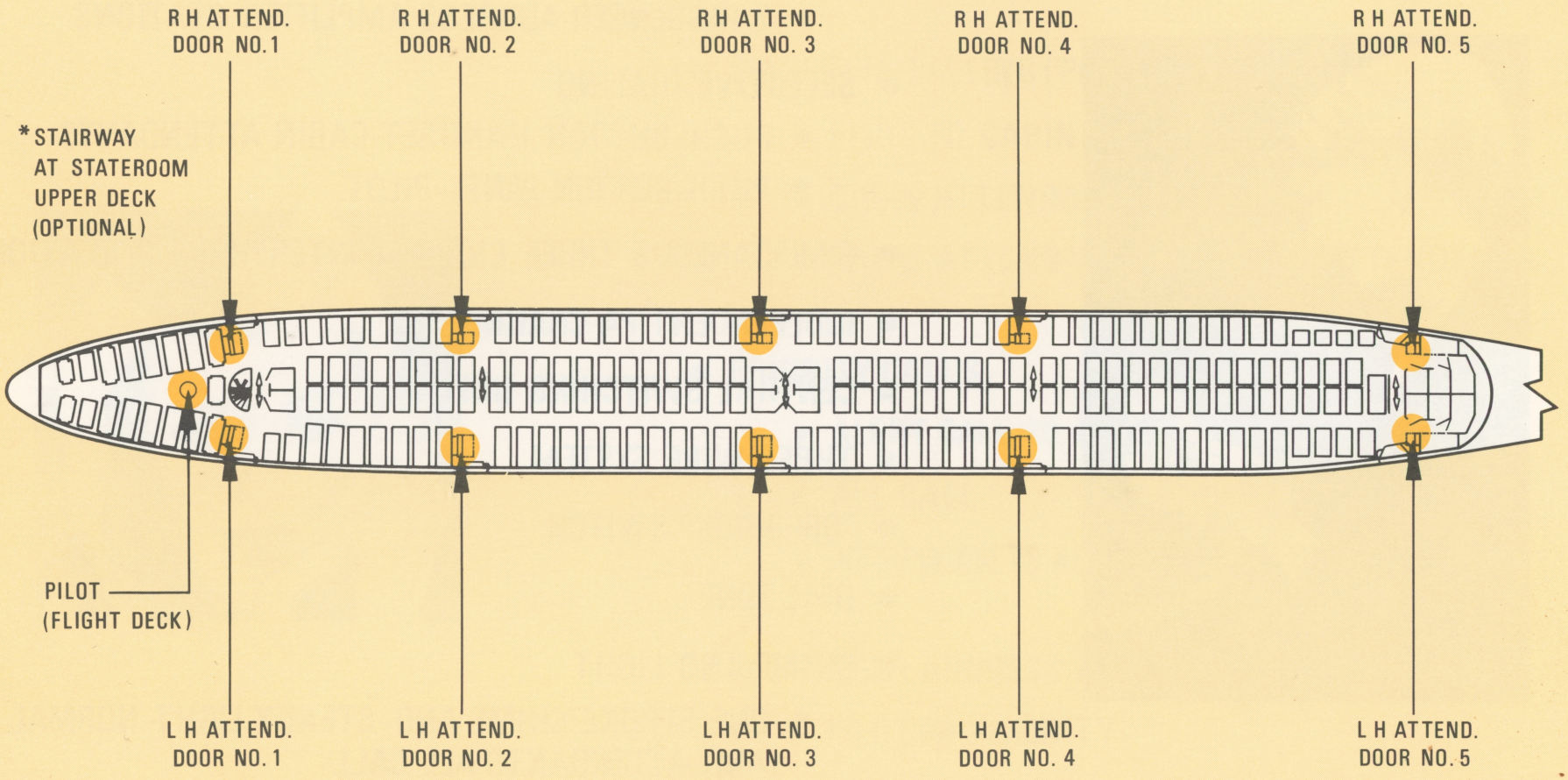
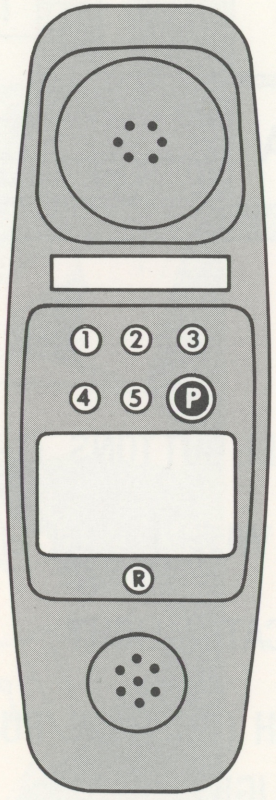
SYSTEM FEATURES

- 14 STATIONS SIGNALING
  - 12 TELEPHONE STATIONS
  - 2 PASSENGER ADDRESS AMPLIFIER STATIONS
- SELECTIVE DIALING
  - PUSH-BUTTON HANDSET-CABIN ATTENDANTS
  - PUSH-BUTTON PANEL-PILOT
- SIMULTANEOUS THREE-CHANNEL INTERPHONE OPERATION
- INDEPENDENT PA CHANNEL
- CENTRAL SWITCHING UNIT
- THREE WIRE SYSTEM
- "OFF-HOOK" SWITCH
- DIAL TONE
- CHIME AND LIGHT
  - ONE STROKE CHIME AND STEADY LIGHT-NORMAL AND ATTENDANTS ALL CALL
  - ONE STROKE CHIME AND INTERRUPTED LIGHT-ALERT & ALL CALL

HANDSET LOCATIONS



HANDSET FEATURES

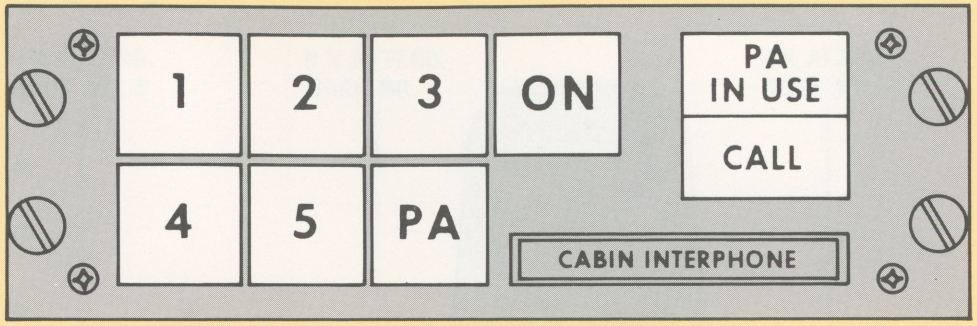


HANDSET

- FEATURING
  - PUSH-BUTTON DIAL [1]
  - DYNAMIC MICROPHONE
  - SOLID-STATE MICROPHONE PREAMPLIFIER
  - NOISE-CANCELLING DESIGN
  - 5 BUTTONS FOR STATION SELECTION [1]
  - 1 PILOT ALERT BUTTON-GUARDED [1]
  - 1 RESET BUTTON
  - DIALING DIRECTORY
  - "HOOK" SWITCH
  - PRESS TO TALK (PTT) SWITCH
- REQUIREMENTS PER DOC D6-13610 (BFE) OR 60B 40054-4 AND-5 (SFE)

[1] NOT PART OF PILOT'S HANDSET (60 B 40054-5)

PILOT'S CONTROL UNIT



- FEATURING
  - LIGHTED CALL BUTTONS (1-5)
  - PA BUTTON WITH PA "ON" LIGHT
  - "CALL" INDICATOR LIGHT
  - "ON" SWITCH (PUSH ON/PUSH OFF) WITH "ON" LIGHT
  - "PA IN USE" INDICATOR LIGHT

SYSTEM EQUIPMENT

- BUYER FURNISHED EQUIPMENT - HANDSETS PER DOCUMENT D6-13610
  - PILOT'S
  - ATTENDANT'S
- SELLER FURNISHED EQUIPMENT
  - CENTRAL SWITCHING UNIT
  - PILOT'S CONTROL UNIT
  - CHIME/LIGHT SENSOR UNIT
  - CHIMES AND LIGHTS (CONVENTIONAL)
  - ATTENDANT'S HANDSET (OPTIONAL)
  - PILOT'S HANDSET (OPTIONAL)
  - CENTRAL SWITCHING UNIT WITH OPTIONAL PA CLASS SELECTION.
- REQUIREMENTS PER 60B40054

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